Increasing Competitive Employment Outcomes for People with Serious Mental Illness

Gary R. Bond, Ph.D.
Dartmouth Psychiatric Research Center
Geisel Medical School at Dartmouth
Lebanon, NH

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Key Points

- People with serious mental illness want to work
- Although most are capable, few work
- One main barrier: Access to effective services
- IPS is an evidence-based and cost-effective model to increase employment
- IPS can be widely implemented if adequately funded
The Gap Between Need and Access

• 2/3 want to work
• But only about 15% competitively employed at any time
• Only 2% have access to evidence-based employment services

(Bond, 2014; Lindamer, 2003; Perkins, 2002; Rosenheck 2006; Salkever, 2007; SAMHSA, 2014)
Individual Placement and Support (IPS)

• IPS is a fidelity-based model of customized employment for people with serious mental illness

• Model was developed by Dartmouth researchers Becker and Drake in 1990s

• IPS includes integration with mental health treatment team
IPS Principles

1. Open to anyone who wants to work
2. Focus on competitive employment
3. Rapid job search
4. Systematic job development
5. Client preferences guide decisions
6. Individualized long-term supports
7. IPS integrated with treatment team
8. Benefits counseling included
Competitive Employment Rates in 22 Randomized Controlled Trials of IPS
Overall Findings for Randomized Controlled Trials of IPS

- Every study (all 22) showed a significant advantage for IPS
- Mean competitive integrated employment rates for the 22 studies:
  - 56% for IPS
  - 23% for controls
18-Month Competitive Employment Outcomes in 4 Controlled Trials of IPS

(Bond, Drake & Campbell, 2012)

<table>
<thead>
<tr>
<th></th>
<th>IPS</th>
<th>Control</th>
<th>p</th>
<th>d</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>N = 307</strong></td>
<td><strong>N = 374</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Job acquisition</td>
<td>216 (70.4%)</td>
<td>91 (24.3%)</td>
<td>&lt;.001</td>
<td>0.96</td>
</tr>
<tr>
<td>Work ≥20 hrs/wk</td>
<td>128 (41.7%)</td>
<td>50 (13.4%)</td>
<td>&lt;.001</td>
<td>0.67</td>
</tr>
<tr>
<td>Days to first job</td>
<td>140</td>
<td>212</td>
<td>&lt;.001</td>
<td>-0.58</td>
</tr>
<tr>
<td>Total hours</td>
<td>417.0</td>
<td>105.8</td>
<td>&lt;.001</td>
<td>0.62</td>
</tr>
<tr>
<td>Earnings over 18 months</td>
<td>$3,704</td>
<td>$1,001</td>
<td>&lt;.001</td>
<td>0.51</td>
</tr>
</tbody>
</table>
### Frequency and Percentage of Steady Workers in Long-Term Studies

<table>
<thead>
<tr>
<th>Study</th>
<th>Follow-up Period</th>
<th>Sample Size</th>
<th>IPS</th>
<th>Usual Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salyers (2004)</td>
<td>10 years</td>
<td>36</td>
<td>12 (33%)</td>
<td></td>
</tr>
<tr>
<td>Becker (2007)</td>
<td>8-12 years</td>
<td>38</td>
<td>27 (71%)</td>
<td></td>
</tr>
<tr>
<td>Hoffmann (2014)</td>
<td>5 years</td>
<td>46 IPS 54 Usual</td>
<td>20 (43%)</td>
<td>6 (11%)</td>
</tr>
<tr>
<td>Overall</td>
<td>120/54</td>
<td>59 (49%)</td>
<td>6 (11%)</td>
<td></td>
</tr>
</tbody>
</table>

Steady worker = Worked at least 50% of follow-up period
### 5-Year Return on Investment for IPS and Traditional Voc Services (Hoffmann, 2014)

<table>
<thead>
<tr>
<th></th>
<th>IPS (N = 38)</th>
<th>Traditional (N = 45)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Earnings</td>
<td>$71,670</td>
<td>$39,690</td>
</tr>
<tr>
<td>Vocational Services</td>
<td>$86,580</td>
<td>$71,260</td>
</tr>
<tr>
<td>Mental Health</td>
<td>$27,270</td>
<td>$42,900</td>
</tr>
<tr>
<td>Total Service Costs</td>
<td>$113,850</td>
<td>$114,160</td>
</tr>
<tr>
<td>Median Return on Investment (Earnings/Service Costs)</td>
<td>53.5</td>
<td>18.2</td>
</tr>
</tbody>
</table>

*Note: Earnings and costs converted to US dollars*
IPS Is Effective in a Wide Variety of Target Populations

PTSD diagnosis
Frequently hospitalized
Mental illness + substance use
Older adults

Homeless
Criminal justice history
On disability benefits
African American
Hispanic
National IPS Learning Collaborative

17 states/regions in US  
(over 150 sites)  
3 European countries  

(as of October 2014)
Clients Served & Working in the IPS Supported Employment Learning Community in the USA

Data points represent annual averages for four quarterly reporting periods. Current year data represent an average of reporting periods that have occurred to date.

Number of Clients Served

- 2002: 792
- 2003: 1649
- 2004: 2745
- 2005: 3089
- 2006: 4015
- 2007: 4755
- 2008: 6296
- 2009: 7700
- 2010: 8987
- 2011: 10074
- 2012: 10469
- 2013: 11256

Percent of Clients Working

- 2002: 7.9%
- 2003: 16.4%
- 2004: 27.4%
- 2005: 30.8%
- 2006: 40.1%
- 2007: 47.6%
- 2008: 62.9%
- 2009: 77.0%
- 2010: 89.8%
- 2011: 100.7%
- 2012: 104.7%
- 2013: 112.6%
IPS Fidelity and Outcomes in 79 Sites in IPS Learning Collaborative

<table>
<thead>
<tr>
<th>IPS Fidelity Category</th>
<th>N (%)</th>
<th>Mean Competitive Employment Rate (Quarterly index)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exemplary Fidelity</td>
<td>7 (9%)</td>
<td>44%</td>
</tr>
<tr>
<td>Good Fidelity</td>
<td>45 (57%)</td>
<td>39%</td>
</tr>
<tr>
<td>Fair Fidelity</td>
<td>23 (29%)</td>
<td>32%</td>
</tr>
<tr>
<td>Not Supported Employment</td>
<td>4 (5%)</td>
<td>29%</td>
</tr>
</tbody>
</table>

(Bond et al., 2012)
Summary

• People with serious mental illness want to work
• Although most are capable, few work
• One main barrier: Access to effective services
• IPS is an evidence-based and cost-effective model to increase employment
• IPS can be widely implemented if adequately funded